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Cost Schedules of Stock and Labor

Entering into the Construction of

Pleasure Carriages

Compiled by MR. HENRY H. HODGES, of Philadelphia,

And Published under the auspices of the

Carriage Builders' National Association
of the United States.

OCTOBER, 1882.

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PREFACE.

The Executive Committee of the Carriage Builders' National Association, in presenting to the members the following Cost Schedules of Stock and Labor entering into the Construction of Pleasure Carriages, do so with the hope that they will be examined closely when making estimates on the cost of new work.

The cost of labor is not given, as each shop has its own special prices, which necessarily vary in different localities, and only the quantities and weights of materials employed in construction are furnished.

These examples comprise estimates for twenty-one Carriages, and from these the builder will find it an easy matter to estimate on other styles not included in this work, by merely adding or deducting such materials as the case may require.

These Schedules were prepared by Mr. Henry H. Hodges, of Philadelphia, the well-known expert on estimates, now and for many years past in the employ of Mr. Wm. D. Rogers; and they are offered as the requirements for first-class work, and may need some modification to meet the wants of a lower grade. The interest and patient labor given by Mr. Hodges to the task of making up these specifications entitle him to the thanks of all members of the Association. Your Committee cannot but consider this publication one of the most valuable that has thus far been issued under the auspices of the Association, and they heartily recommend it to the careful consideration of members.

A copyright has been secured on this work, which is the property of the Association, each Active Member being entitled to one copy, while none will be for sale.

Respectfully submitted by the Executive Committee of the Carriage Builders' National Association:

WM. D. ROGERS, *Chairman.*

R. M. STIVERS,	WILDER H. PRAY,	} <i>Ex-officio.</i>
H. C. MCLEAR,	JNO. W. BRITTON,	
C. D. FIRESTONE,	FRANK H. HOOKER,	

Cost Schedules of Stock and Labor

Entering into the Construction of

PLEASURE CARRIAGES.

No. 1.

Glass Front Landau.

Body.

196 ft. Ash,	
107 ft. Poplar,	
6½ ft. Cherry,	
5 ft. Pine,	
714 Screws, Assorted Sizes,	
6 lbs. Glue,	
6 yds. Scrims,	
Nails and Chair Tacks,	
1 set Door Fixtures,	
1 pr. Lever Locks,	
1 pr. Concealed Hinges,	
1 pr. Spring Catches, Top Front Pillar,	
1 pr. Door Hinges, Bottom,	
1 pr. Goose Neck Hinges,	
2 pr. Top Hinges,	
1 pr. Front Pillar Hinges,	
1 pr. Front Top Hinges,	
1 pr. Bow Irons,	
1 pr. Top Prop Irons,	
1 Top Center Joint Iron,	
1 pr. Dowel Plates, Top,	
1 pr. Fender Thimbles,	
1 pr. Step Thimbles,	
3 Rabbet Irons, Fence Rail,	
6 sheets Sandpaper,	
Files,	
135 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
5 hrs. Drilling Rocker Plates,	
4 lbs. White Lead,	
Marking and Sawing Stuff	
Draft and Pattern,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
“ Boxing,	
1 set Rim Bands,	
15 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

2 Bent Beds,	
1 Pole,	
6 ft. 8 in. Hickory,	
8 ft. Ash,	
Sandpaper and files,	
Marking and Sawing Stuff,	
Labor,	
20 hrs. Labor, Pole, Blocks and Back Bar,	
10 “ “ Fitting “ “ “ “	
5 “ “ Cleaning off,	

Smith Work.

1 set Axles,	
1 set Springs,	
90 lbs. Steel Tire,	
260 lbs. Iron, Body and Carriage Part,	
2 Stump Joints,	
63 Screws, Assorted Sizes,	
80 Bolts, Assorted Sizes,	
52 Bolts, Tire,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
800 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage, and Hanging up,	
“ Filing and putting together,	

Painting.

Body Materials,	\$6.87
Carriage “	4.90—\$11.77
Labor, Body,	
“ Carriage Part,	
“ Monogram or Crest,	

Trimming.

14 Goat Skins,	
¾ yd. Body Cloth,	
3¾ yds. Head Lining Cloth,	
1¾ yds. Dickey Seat Cloth,	
4½ yds. Curtain Silk,	
1¾ yds. Black Cloth,	
17 yds. Broad Lace,	

No. 2. English Coach.

Body.

163 ft. Ash,	
112 ft. Poplar,	
6 ft. Cherry,	
32 ft. Pine,	
434 Screws, Assorted Sizes,	
9 lbs. Glue,	
8 yds. Scrims,	
Nails and Chair Tacks,	
1 pr. Lever Locks,	
1 set Concealed Hinges,	
1 pr. Door Hinges, Bottom,	
1 pr. Fender Thimbles,	
1 pr. Step Thimbles,	
3 Rabbet Irons, Fence Rails,	
8 sheets Sandpaper,	
Files,	
113 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
5 hrs. Drilling,	
3½ lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
“ Boxing,	
1 set Rim Bands,	
15 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

2 Bent Beds,	
1 Pole,	
6 ft. 8 in. Hickory,	
8 ft. Ash,	
Sandpaper and Files,	
Marking and Sawing Stuff,	
Labor,	
20 hrs. Labor, Pole, Blocks and Back Bar,	
10 “ “ Fitting “ “ “	
5 “ “ Cleaning off	

Smith Work.

1 set Axles,	
1 set Springs,	
90 lbs. Steel Tire,	

230 lbs. Iron, Body and Carriage Part,	
47 Screws, Assorted Sizes,	
80 Bolts, “ “	
52 Tire Bolts,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
700 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor, Ironing Body, Carriage and Hanging up,	
“ Filing and putting together,	

Painting.

Body Materials,	\$10.30
Carriage “	4.90—\$15.20
Labor, Body,	
“ Carriage Part,	
“ Monogram,	

Trimnings.

14 Goat Skins,	
2½ yds. Body Cloth,	
1½ yds. Dickey Seat Cloth,	
4 yds. Curtain Silk,	
1½ yds. Black Cloth,	
20 yds. Broad Lace,	
55 yds. Seaming Lace,	
50 yds. Pasting Lace,	
1½ pr. Holder Tassels,	
1 pr. Curtain Tassels,	
3 pr. Triggers,	
1 pr. Frogs,	
2 gross Tufts,	
3 yds. Russia Sheeting,	
3 yds. Buckram,	
2¾ yds. Wilton Carpet,	
1 yd. Oil Carpet,	
24 lbs. Best White Hair,	
2½ yds. Gum Drill,	
3½ yds. Cambric,	
3 lbs. Cotton Wadding,	
1½ lbs. Seaming Cord,	
¼ lb. Tufting Twine,	
6 yds. Curtain Cord,	
¾ yd. Bedford Cord, bottom of Cushions,	
6 Pillow Springs,	
1 pr. Door Stops,	
6 1-in. Bone Head Screws,	
28 ¾-in. “ “	
29 ½-in. Silver Plated Screws,	
3 Lace Plates,	
2 Pad Hooks, Silver,	
½ yd. Enamel Duck,	
2 Balls Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	

2 spools Machine Silk,	
12 yds. Muslin,	
1 Whip Socket and Fastener,	
6 papers Tacks,	
6 lbs. Paste,	
12 Gum Button Holes,	
1 Gong and Wire,	
1 Gong Wire Cover,	
1 Card Box,	
5 Curtain Rollers, Spring,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
1 Mirror Glass,	
38 ft. Dash Leather,	
3 ft. Railing Leather,	
28 ft. Trimming Leather, Apron,	
2½ ft. Skirting Leather,	
3¼ lbs. Harness Leather,	
8 ft. Unfinished Leather,	
56 Japanned Buttons,	
1¾ yds. Cloth, Lining Apron,	
2½ yds. Raw Duck,	
Harness and Beeswax,	
6 ¾-in. No. 7 Round Head Screws,	
Labor,	
60 hrs. Labor Stitching Seat, Fenders, Card Box,	
Inside Handles, Top Lever do., Bell	
Pull, Loops and Pins, Poppets and	
Covering Pole,	
12 hrs. Labor Stitching Pole Straps,	
8 " " Making Seat Jacket,	
10 " " Apron,	
30 " " Blocking up for Trimmers and making	
Driving Seats, 1 long and 1 short,	
22 ft. Poplar,	
47 Screws,	
1 hr. Labor putting Molding on Dickey Seat,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Door Handles,	
1 pr. Lever " "	
1 pr. Finishers, Molding,	
1 pr. Slotted Nuts,	
5 ft. 4 in. ½-in. Silver Molding,	
7 ft. 11 in. ¾-in. Brass " "	
Plating Axle Nuts,	
Engraving Axle Nuts,	
Glass, (4) 18 x 24, (1) 16 x 28, (1) 7 x 9,	
Oil,	
Washer Leather,	
4 Bolts,	
18 Screws,	
22¼ hrs. Labor,	

Contingent Expenses, per cent.,

No. 3.

Landaulet, Drop Front.

Body.

143 ft. Ash,	
83 ft. Poplar,	
2 ft. Cherry,	
4 ft. Pine,	
575 Screws, Assorted Sizes,	
5 lbs. Glue,	
4 yds. Scrims,	
Nails and Chair Tacks,	
1 set Door Fixtures,	
1 pr. Lever Locks,	
1 pr. Concealed Hinges,	
1 pr. Spring Catches, Front Pillar,	
1 pr. Door Hinges, Bottom,	
1 pr. Goose Neck Hinges,	
1 pr. Top Hinges,	
1 pr. Drop Hinges, Front Pillar,	
1 pr. " " " Top,	
1 pr. Bow Irons,	
1 pr. Top Prop Irons,	
1 Top Center Joint, Iron,	
1 pr. Dowel Plates, Top,	
1 pr. Child's Seat Hinges,	
3 Rabbet Irons, Fence Rail,	
5 sheets Sandpaper,	
Files	
8 ft. Brass Molding, Doors,	
90 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
4 hrs. Drilling Rocker Plates,	
3 lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
1 set Rim Bands,	
15 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

2 Bent Beds,	
1 Pole,	
1 pr. Shafts,	
4 ft. 3 in. Hickory,	
3 ft. Ash,	
Sandpaper and Files,	

Marking and Sawing Stuff,	
Labor,	
23 hrs. Labor, Pole, Shafts, Blocks and Back Bar,	
12 " " Fitting " "	
5 " " Cleaning off,	

Smith Work.

1 set Axles,	
1 set Springs,	
84 lbs. Steel Tire,	
220 lbs. Iron, Body and Carriage Part,	
2 Stump Joints,	
98 Screws, Assorted Sizes,	
82 Bolts, " "	
52 Tire Bolts,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
750 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor, Ironing Body, Carriage, Shafts and Hang-	
ing up,	
" Filing and putting together,	

Painting.

Body Materials,	\$5.73
Carriage " "	4.90—\$10.63
Labor, Body,	
" Carriage Part,	
" Monogram,	

Trimming.

11 Goat Skins,	
3½ yds. Body Cloth,	
1¾ yds. Dickey Seat Cloth,	
3½ yds. Curtain Silk,	
1¾ yds. Black Cloth,	
12 yds. Broad Lace,	
40 yds. Seaming Lace,	
35 yds. Pasting Lace,	
1 pr. Holder Tassels,	
3½ pr. Triggers,	
1 pr. Frogs,	
100 Tufts,	
36 Gimp Nails,	
3½ yds. Russia Sheeting,	
3 yds. Buckram,	
3 Apron Fasteners,	
3 ¾-in. Covered Buckles,	
2¾ yds. Wilton Carpet,	
1 yd. Oil Carpet,	
12 lbs. Best White Hair,	
4 lbs. Pure Gray Hair,	
5½ yds. Gum Drill, Top Cover and Seat Jacket,	
1¾ yds. Cambric,	

1 lb. Cotton Wadding,	
1 lb. Seaming Cord,	
¼ lb. Tufting Twine,	
6 yds. Curtain Cord,	
¾ yd. Bedford Cord,	
6 Pillow Springs,	
1 pr. Door Stops,	
2 1-in. Bone Head Screws,	
14 ¾-in. " "	
2 Lace Plates,	
2 Pad Hooks, Spring Rollers,	
2 balls Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	
1¾ " " Silk,	
7 yds. Muslin,	
8 yds. English Web,	
1 Whip Socket and Fastener,	
5 papers Tacks,	
6 lbs. Paste,	
12 Gum Button Holes,	
1 Gong and Wire,	
1 Gong Wire Cover,	
1 Card Box,	
4 Curtain Rollers, Spring,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
65 ft. Landau Top Leather,	
11 ft. Dash Leather,	
3 ft. Railing Leather,	
28 ft. Trimming Leather,	
2½ ft. Skirting Leather,	
2½ lbs. Harness Leather,	
1¼ lbs. Breeching Leather,	
¾ lb. Bridle Leather,	
28 Japanned Buttons,	
1¾ yds. Cloth, Lining Apron,	
8 ¾-in. No. 7 Round Head Screws,	
Harness and Beeswax,	
Labor,	
40 hrs. Labor Stitching Seat, Dash, Bell Pull, Card	
Box, Inside Handles, Top Lever do.,	
Loops and Pins, Nuts and Washers,	
Poppets and Covering Pole,	
12 hrs. Labor Stitching Pole Straps,	
8 " " Making Storm Cover,	
8 " " " Seat Jacket,	
10 " " " Apron,	
7 " " " Loops and Covering Shafts,	
25 " " " Blocking up for Trimmers and Making	
Driving Seats, 1 long and 1 short,	
20 ft. Poplar,	
12 Screws,	
5 hrs. Labor putting on Molding on Dickey Seat,	
Back and Quarters,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	

1 pr. Shaft Tips,	
1 pr. Door Handles,	
1 pr. Lever "	
1 pr. Top Fasteners, Center,	
1 pr. Flush Bolts, Front Pillar,	
1 pr. Thumb Screws, Top Hinge, Front Pillar,	
1 pr. Thumb Holders, Circular Frames, to slide,	
1 pr. Window Fasteners, Circular Frames, to open,	
1 Flush Pull, Inside Front for Frames,	
1 pr. Finishers,	
1 pr. Slotted Nuts,	
1 Glass Frame, Back,	
13 ft. 6 in. $\frac{3}{8}$ -in. Silver Molding,	
5 ft. 10 in. $\frac{1}{2}$ -in. " "	
4 Acorn Top Nuts,	
4 Circular Rollers, Front Glass Frames,	
Electro-plated Pins for Moldings,	
Plating Axle Nuts,	
Engraving "	
Glass, (2) Bent, 22 x 24, (2) Flat, 18 x 24, (1) 6 x 8,	
Oil,	
Washer Leather,	
8 Bolts,	
68 Screws,	
25 hrs. Labor,	

Contingent Expenses, per cent.,

No. 4.

Coupé, Round Front.

Body.

154 ft. Ash,	
99 ft. Poplar,	
1½ ft. Cherry,	
26 ft. Pine,	
402 Screws, Assorted Sizes,	
6 lbs. Glue,	
5 yds. Scrims,	
Nails and Chair Tacks,	
1 pr. Lever Locks,	
1 set Concealed Hinges,	
1 pr. Door Hinges, Bottom,	
1 pr. Child's Seat Hinges,	
2 Rabbit Irons, Fence Rail,	
6 sheets Sandpaper,	
Files,	
8 ft. Brass Molding, Doors,	
82 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
4 hrs. Drilling Rocker Plates,	
2½ lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
1 set Rim Bands,	
15 hrs. Labor Putting on Rim Bands and cleaning off	

Carriage Part.

2 Bent Beds,	
1 Pole,	
1 pr. Shafts,	
4 ft. 3 in. Hickory,	
3 ft. Ash,	
Sandpaper and Files,	
Marking and Sawing Stuff,	
Labor,	
23 hrs. Labor, Pole, Shafts, Blocks and Back Bar,	
12 " " Fitting " " " "	
5 " " cleaning off,	

Smith Work.

1 set Axles,	
1 set Springs,	

84 lbs. Steel Tire,	
200 lbs. Iron, Body and Carriage Part,	
82 Screws, Assorted Sizes,	
82 Bolts, " "	
52 Tire Bolts,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
600 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage, Shafts, and Hang-	
ing up,	
" Filing and Putting together,	

Painting.

Body Materials,	\$7.73
Carriage "	4.90—\$12.63
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

13 Skins,	
2½ yds. Body Cloth,	
1½ yds. Dickey Seat Cloth,	
3 yds. Curtain Silk,	
1¼ yds. Black Cloth,	
16 yds. Broad Lace,	
45 yds. Seaming Lace,	
40 yds. Pasting Lace,	
1 pr. Holder Tassels,	
1 pr. Triggers,	
1 gross Tufts,	
30 Gimp Nails,	
1¼ yds. Russia Sheeting,	
3 yds. Buckram,	
3 yds. Wilton Carpet,	
1½ yds. Oil Carpet,	
12 lbs. Best White Hair,	
7 lbs. Gray Hair,	
3 yds. Gum Drill, Seat Jacket,	
1¾ yds. Cambric,	
1 lb. Cotton Wadding,	
1 lb. Seaming Cord,	
¼ lb. Tufting Twine,	
6 yds. Curtain Cord,	
¾ yd. Bedford Cord,	
6 Pillow Springs,	
1 pr. Door Stops,	
2 1-in. Bone Head Screws,	
4 ¾-in. " "	
2 ¾-in. Silver Plated Screws,	
20 ½-in. " "	
2 Lace Plates,	
1 Pad Hook, Back,	
1½ balls Ball Thread,	

4 skeins Thread,	
½ spool Machine Thread,	
1¾ " " Silk,	
3 Apron Fasteners,	
3 ¾-in. Covered Buckles,	
10 yds. Muslin,	
1 Whip Socket and Fastener,	
5 papers Tacks,	
6 lbs. Paste,	
12 Gum Button Holes,	
1 Gong and Wire,	
1 Gong Wire Cover,	
1 Card Box,	
4 Curtain Rollers, Spring,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
12 ft. Dash Leather,	
3 ft. Railing Leather,	
2½ ft. Skirting Leather,	
29 ft. Trimming Leather,	
1 ft. Flap Leather,	
2½ lbs. Harness Leather,	
1¼ lbs. Breeching Leather,	
¾ lb. Bridle Leather,	
28 Japanned Buttons,	
1¾ yds. Cloth, Lining Apron,	
2¼ yds. Raw Duck,	
8 ¾-in Round Head Screws,	
Harness and Beeswax,	
Labor,	
50 hrs. Labor Stitching Seat, Dash, Door, Fenders,	
Card Boxes, Inside Handles, Top	
Lever do., Bell Pull, Loops and Pins,	
Poppets and Covering Pole,	
12 hrs. Labor Stitching Pole Straps,	
8 " " Making Seat Jacket,	
10 " " Apron,	
7 " " Loops and Covering Shafts,	
25 " " Blocking up for Trimmers and making	
Driving Seats, 1 long and 1 short,	
22 ft. Poplar,	
15 Screws,	
1 hr. Labor putting on Molding on Dickey Seat,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Shaft Tips,	
1 pr. Door Handles,	
1 pr. Lever "	
1 pr. Window Fasteners, Circular Frames, to open,	
1 pr. Thumb Holders, Circular Frames, to slide,	
1 pr. Finishers,	
1 pr. Slotted Nuts,	
5 ft. 10 in ½-in. Silver Molding,	
4 Circular Rollers, Front Glass Frames,	
Plating Axle Nuts,	
Engraving "	
Glass, (2) Bent, 22 x 24, (2) Flat, 18 x 24, (1) 6 x 8,	

84 lbs. Steel Tire,	
190 lbs. Iron, Body and Carriage Part,	
82 Screws, Assorted Sizes,	
82 Bolts, " "	
52 Tire Bolts,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
600 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage, Shafts and Hang- ing up,	
" Filing and putting together,	

Painting.

Body Materials,	\$7.73
Carriage "	4.90—\$12.63
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

9 Skins,	
2½ yds. Body Cloth,	
1½ yds. Dickey Seat Cloth,	
3 yds. Curtain Silk,	
1½ yds. Black Cloth,	
17 yds. Broad Lace,	
40 yds. Seaming Lace,	
35 yds. Pasting Lace,	
2 pr. Holder Tassels,	
2 pr. Triggers,	
1 pr. Frogs,	
1 gross Tufts,	
30 Gimp Nails,	
1¼ yds. Russia Sheeting,	
3 yds. Buckram,	
3 yds. Wilton Carpet,	
1 yd. Oil Carpet,	
10 lbs. Best White Hair,	
5 lbs. Pure Gray Hair,	
2¼ yds. Gum Drill, Seat Jacket,	
1¾ yds. Cambric,	
1 lb. Cotton Wadding,	
1 lb Seaming Cord,	
¼ lb. Tufting Twine,	
6 yds. Curtain Cord,	
¾ yd. Bedford Cord,	
6 Pillow Springs,	
1 pr. Door Stops,	
2 1-in. Bone Head Screws,	
4 ¾-in. " "	
2 ¾-in. Silver Plated Screws,	
24 ½-in. " "	
4 Lace Plates,	
1 Pad Hook,	

1½ balls Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	
1¾ " Silk	
3 Apron Fasteners,	
3 ¾-in. Covered Buckles,	
8 yds. Muslin,	
1 Whip Socket and Fastener,	
5 papers Tacks,	
6 lbs. Paste,	
12 Gum Button Holes,	
1 Gong and Wire,	
1 Gong Wire Cover,	
3 Curtain Rollers, Spring,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
12 ft. Dash Leather,	
3 ft. Railing Leather,	
2½ ft. Skirting Leather,	
29 ft. Trimming Leather,	
1 ft. Flap Leather,	
2¼ lbs. Harness Leather,	
1¼ lbs. Breeching Leather,	
6 ft. Unfinished Leather,	
¾ lb. Bridle Leather,	
28 Japanned Buttons,	
1¾ yds. Cloth, Lining Apron,	
2 yds. Raw Duck,	
1 Toilet Case,	
8 ¾-in. Round Head Screws,	
Harness and Beeswax,	
Labor,	
40 hrs. Labor Stitching Seat, Dash, Inside Handles, Top Lever do., Bell Pull, Loops and Pins, Poppets and Covering Pole,	
12 hrs. Labor Stitching Pole Straps, etc.,	
8 " " Making Seat Jacket,	
10 " " Apron,	
7 " " Loops and Covering Shafts,	
25 " " Blocking up for Trimmers and mak- ing Driving Seats, 1 long and 1 short,	
25 ft. Poplar,	
11 Screws,	
1 hr. Labor putting on Molding on Dickey Seat,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Shaft Tips,	
1 pr. Door Handles,	
1 pr. Lever "	
1 pr. Finishers (Molding),	
1 pr. Slotted Nuts,	
5 ft. 3 in. ½-in. Silver Molding,	
Plating Axle Nuts,	
Engraving Axle Nuts,	
Glass, (2) 16 x 24, (1) 24 x 36, (1) 6 x 8,	
Oil,	
Washer Leather,	

84 lbs. Steel Tire,	
220 lbs. Iron, Body and Carriage Part,	
64 Screws, Assorted Sizes,	
80 Bolts, Assorted Sizes,	
52 Tire Bolts,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
600 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage, and Hanging up,	
" Filing and putting together,	

Painting.

Body Materials,	\$10.30
Carriage " "	4.90—\$15.20
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

13 Goat Skins,	
3½ yds. Head Lining Cloth,	
6½ yds. Curtain Silk,	
2¼ yds. Black Cloth,	
22 yds. Broad Lace,	
50 yds. Seaming Lace,	
45 yds. Pasting Lace,	
3 pr. Holder Tassels,	
2½ pr. Triggers,	
1 pr. Frogs,	
108 Tufts,	
1¼ yds. Russia Sheeting,	
3 yds. Buckram,	
2½ yds. Wilton Carpet,	
2¼ yds. Oil Carpet,	
13 lbs. Best White Hair,	
17 lbs. Gray Hair,	
1 lb. Cotton Wadding,	
1½ lb. Seaming Cord,	
¼ lb. Tufting Twine,	
8 yds. Curtain Cord,	
6 Pillow Springs,	
1 pr. Door Stops,	
2 1-in. Bone Head Screws,	
4 ¾-in. " " "	
56 ¾-in. Silver Plated Round Head Screws,	
36 ½-in. " " Screws,	
4 Lace Plates,	
2 Bone Slides,	
½ ball Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	
2 spools Machine Silk,	
4 ¾-in. Japanned Buckles,	
3 Apron Fasteners,	

10 yds. Muslin,	
1 Whip Socket and Fastener,	
6 papers Tacks,	
6 lbs. Paste,	
4 Curtain Rollers, Spring,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
2 yds. Enamel Duck,	
60 ft. Trimming Leather,	
2 ft. Railing Leather,	
5 ft. Bow Leather,	
11 ft. Enamel Top Leather,	
12 ft. Dash Leather,	
1¾ ft. Skirting Leather,	
1 ft. Flap Leather,	
6 ft. Unfinished Leather,	
8 ft. Morocco Finish Leather,	
2¾ lbs. Harness Leather,	
¾ lb. Bridle Leather,	
14 Japanned Knobs,	
56 Japanned Buttons,	
1¾ yds. Cloth, Lining Apron,	
2½ yds. Raw Duck,	
1 Card Box,	
8 ¾-in. Round Head Screws,	
Harness and Beeswax,	
Labor,	
28 hrs. Labor Stitching Dash, Steps, Inside Handles,	
Top Lever do., Loops and Pins, Poppets	
and Covering Card Boxes and Pole,	
12 hrs. Labor Stitching Pole Straps,	
10 " " Making Apron,	
10 " " Blocking up for Trimmers,	
13 ft. Poplar,	
88 Screws,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Door Handles,	
1 pr. Lever " "	
1 pr. Slotted Nuts,	
4 Curtain Rods,	
Plating Axle Nuts,	
Engraving " "	
Glass, (2) 18 x 26, (2) 18 x 24, (2) 16 x 26, (1) 18 x 34,	
(1) 14 x 18,	
Oil,	
Washer Leather,	
8 Bolts,	
13 Screws,	
18 hrs. Labor,	

Contingent Expenses, per cent.,

No. 7.

Four Seat

Panel Quarter Rockaway.

●Body.

106 ft. Ash,	
119 ft. Poplar,	
3 ft. 8 in. Cherry,	
32 ft. Pine,	
458 Screws, Assorted Sizes,	
7 lbs. Glue,	
7 yds. Scrims,	
Nails and Chair Tacks,	
1 pr. Lever Locks,	
1 set Concealed Hinges,	
1 pr. Door Hinges, Bottom,	
4 Rabbet Irons, Fence Rails,	
6 sheets Sandpaper,	
Files,	
8 ft. Brass Moldings, Doors,	
75 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
3½ hrs. Drilling Rocker Plates,	
2¾ lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
1 set Rim Bands,	
15 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

2 Bent Beds,	
1 Pole,	
1 pr. Shafts,	
6 ft. 8 in. Hickory,	
5 ft. Ash,	
Sandpaper and Files,	
Labor,	
23 hrs. Labor, Pole, Shafts, Blocks and Back Bar,	
12 " " Fitting " " "	
5 " " Cleaning off	

Smith Work.

1 set Axles,	
1 set Springs,	
70 lbs. Steel Tire,	

190 lbs. Iron, Body and Carriage Part,	
87 Screws, Assorted,	
82 Bolts,	
52 Tire Bolts,	
22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
600 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Labor Ironing Body, Carriage and Hanging up,	
" Filing and putting together,	

Painting.

Body Materials,	\$7.73
Carriage " "	4.90—\$12.63
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

5 yds. Body Cloth,	
2¾ yds. Head Lining Cloth,	
4¾ yds. Curtain Silk,	
1¾ yds. Black Cloth,	
10 yds. Broad Lace,	
35 yds. Seaming Lace,	
45 yds. Pasting Lace,	
3½ pr. Holder Tassels,	
2 pr. Triggers,	
68 Tufts,	
4 yds. Russia Sheeting,	
2½ yds. Buckram,	
2½ yds. Wilton Carpet,	
2 yds. Oil Carpet,	
12 lbs. Best White Hair,	
14 lbs. Gray Hair,	
3 lbs. Cotton Wadding,	
1 lb. Seaming Cord,	
¼ lb. Tufting Twine,	
8 yds. Curtain Cord,	
6 Pillow Springs,	
1 pr. Door Stops,	
2 1-in. Bone Head Screws,	
4 ¾-in. " "	
28 ¾-in. Silver Plated Round Head Screws,	
34 ½-in. " " Screws,	
4 Lace Plates,	
4 Bone Slides,	
½ ball Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	
2 spools Machine Silk,	
3 Apron Fasteners,	
7 yds. Muslin,	
1 Whip Socket and Fastener,	
4 ½ Japanned Buckles,	
5 papers Tacks,	

5 lbs. Paste,	.	.	.	.	.
4 Curtain Rollers, Spring,	.	.	.	.	.
10 Pressed Loops,	.	.	.	.	.
2 Pole Strap Buckles,	.	.	.	.	.
2 yds. Enamel Duck,	.	.	.	.	.
2¼ yds. Gum Drill,	.	.	.	.	.
32 ft. Trimming Leather,	.	.	.	.	.
11 Enamel Top Leather,	.	.	.	.	.
2 ft. Railing Leather,	.	.	.	.	.
9 ft. Dash Leather,	.	.	.	.	.
3 ft. Flap Leather,	.	.	.	.	.
4 ft. Unfinished Leather,	.	.	.	.	.
4 ft. Morocco Finish Leather,	.	.	.	.	.
2¼ lbs. Harness Leather,	.	.	.	.	.
½ lb. Bridle Leather,	.	.	.	.	.
1¼ lbs. Breeching Leather,	.	.	.	.	.
14 Japanned Knobs,	.	.	.	.	.
28 Japanned Buttons,	.	.	.	.	.
1¾ yds. Raw Duck,	.	.	.	.	.
1 Card Box,	.	.	.	.	.
8 ¾-in. Round Head Screws,	.	.	.	.	.
Harness and Beeswax,	.	.	.	.	.
Labor,	.	.	.	.	.
25 hrs. Labor Stitching Dash, Inside Handles, Top	.	.	.	.	.
Lever do., Loops and Pins, Poppets and	.	.	.	.	.
Covering Card Boxes and Pole,	.	.	.	.	.
12 hrs. Labor Stitching Pole Straps,	.	.	.	.	.
3 " " Making Apron,	.	.	.	.	.
7 " " Loops and Covering Shafts,	.	.	.	.	.
10 " " Blocking up for Trimmers,	.	.	.	.	.
9 ft. Poplar,	.	.	.	.	.
49 Screws,	.	.	.	.	.

Mountings and Finishing.

1 pr. Lamps and Props,	.	.	.	.	.
1 Pole Crab,	.	.	.	.	.
1 pr. Shaft Tips,	.	.	.	.	.
1 pr. Door Handles,	.	.	.	.	.
1 pr. Lever "	.	.	.	.	.
1 pr. Slotted Nuts,	.	.	.	.	.
4 Curtain Rods,	.	.	.	.	.
Plating Axle Nuts,	.	.	.	.	.
Engraving Axle Nuts,	.	.	.	.	.
Glass, (4) 18 x 24, (1) 16 x 36, (1) 14 x 18,	.	.	.	.	.
Oil,	.	.	.	.	.
Washer Leather,	.	.	.	.	.
8 Bolts,	.	.	.	.	.
13 Screws,	.	.	.	.	.
18 hrs. Labor,	.	.	.	.	.

Contingent Expenses, . . . per cent., . . .

No. 8.

Vis-à-Vis, Half Top.

Body.

87 ft. Ash,	.	.	.	.	.
91 ft. Poplar,	.	.	.	.	.
1½ ft. Cherry,	.	.	.	.	.
9 ft. Pine,	.	.	.	.	.
388 Screws, Assorted Sizes,	.	.	.	.	.
5 lbs. Glue,	.	.	.	.	.
4 yds. Scrims,	.	.	.	.	.
Nails and Chair Tacks,	.	.	.	.	.
1 pr. Spring Locks,	.	.	.	.	.
1 pr. Door Hinges,	.	.	.	.	.
1 pr. Door Hinges, Bottom,	.	.	.	.	.
1 pr. Deck Hinges,	.	.	.	.	.
1 pr. Storm Cover Props,	.	.	.	.	.
5 sheets Sandpaper,	.	.	.	.	.
Files	.	.	.	.	.
90 lbs. Iron, Rocker Plates,	.	.	.	.	.
Forging Rocker Plates,	.	.	.	.	.
4½ hrs. Drilling Rocker Plates,	.	.	.	.	.
3½ lbs. White Lead,	.	.	.	.	.
Marking and Sawing Stuff,	.	.	.	.	.
Draft and Patterns,	.	.	.	.	.
Labor,	.	.	.	.	.

Wheels.

44 Spokes,	.	.	.	.	.
1 set Rims,	.	.	.	.	.
1 set Hubs,	.	.	.	.	.
Glue, Sandpaper and Files,	.	.	.	.	.
Labor,	.	.	.	.	.
" " Boxing,	.	.	.	.	.
1 set Rim Bands,	.	.	.	.	.
15 hrs. Labor putting on Rim Bands and cleaning off	.	.	.	.	.

Carriage Part.

2 Bent Beds,	.	.	.	.	.
1 Pole,	.	.	.	.	.
6 ft. 8 in. Hickory,	.	.	.	.	.
8 ft. Ash,	.	.	.	.	.
Sandpaper and Files,	.	.	.	.	.
Labor,	.	.	.	.	.
15 hrs. Labor, Pole, Blocks and Back Bar,	.	.	.	.	.
10 " " Fitting "	.	.	.	.	.
5 " " Cleaning off,	.	.	.	.	.

Smith Work.

1 set Axles,	.	.	.	.	.
1 set Springs,	.	.	.	.	.
84 lbs. Steel Tire,	.	.	.	.	.
200 lbs. Iron, Body and Carriage Part,	.	.	.	.	.
67 Screws, Assorted Sizes,	.	.	.	.	.

92 Bolts, Assorted Sizes,	
52 Tire Bolts,	
24 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
1 pr. Stump Joints,	
800 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor, Ironing Body, Carriage, and Hanging up,	
" Filing and putting together,	

Painting.

Body Materials,	\$5.02
Carriage "	4.90—\$9.92
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

10 Goat Skins,	
4¼ yds. Head Lining Cloth,	
6 yds. Broad Lace,	
50 yds. Seaming Lace,	
25 yds. Pasting Lace,	
108 Tufts,	
6 Cloth Pins,	
5 yds. Russia Sheeting,	
2¾ yds. Buckram,	
2½ yds. Wilton Carpet,	
1¾ yds. Oil Carpet,	
10 lbs. Best White Hair,	
6 lbs. Gray Hair,	
½ lb. Cotton Wadding,	
1 lb. Seaming Cord,	
¼ lb. Tufting Twine,	
6 Pillow Springs,	
1 pr. Door Stops,	
4 ¾-in. Bone Head Screws,	
2 balls Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	
2 " " Silk,	
14¾ yds. English Web,	
3 ¾-in. Covered Buckles,	
3 Apron Fasteners,	
5 yds. Muslin,	
1 Whip Socket and Prop,	
5 papers Tacks,	
6 lbs. Paste,	
12 Gum Button Holes,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
9 Curtain Fasteners, Back,	
75 ft. Enamel Top Leather,	
33 ft. Trimming Leather,	
5 ft. Railing Leather,	

4 ft Flap Leather,	
35 ft. Dash Leather,	
2½ ft. Skirting Leather,	
2¾ lbs. Harness Leather,	
¾ lb. Bridle Leather,	
⅔ yd. Bedford Cord, bottom of Cushions,	
1⅓ yds. Dickey Seat Cloth,	
9½ yds. Gum Drill, Storm Cover and Seat Jacket,	
1¾ yds. Cloth, Lining Apron,	
3 Bows,	
2 Top Props,	
8 ¾-in. Round Head Screws,	
Harness and Beeswax,	
Labor,	
76 hrs. Labor Stitching Dash, Seat, Fenders, Front and Back, Steps, Inside Handles, Nuts and Washers, Poppets and Covering Pole,	
12 hrs. Labor Stitching Pole Straps,	
10 " " Making Storm Cover,	
10 " " Apron,	
8 " " Seat Jacket,	
31 " " Setting Bows, Making Dickey Seats, 1 long and 1 short, and Blocking up for Trimmers,	
21 ft. Poplar,	
63 Screws,	
5 hrs. Labor putting on Molding on Front Bow, Lid, Deck, Back Quarters, and Dickey Seat,	

Mountings and Finishing.

1 pr. Lambs and Props,	
1 Pole Crab,	
1 pr. Door Handles,	
2 pr. Finishers, Molding,	
1 pr. Slotted Nuts,	
11 ft. 7 in. Silver Molding,	
23 ft. Brass Molding,	
Electro-plated Pins, for Molding,	
Plating Axle Nuts,	
Engraving "	
Capping Top Nuts (4),	
Oil,	
Washer Leather,	
14 Bolts,	
18 Screws,	
20 hrs. Labor,	

Contingent Expenses, per cent.,

No. 9.

Round Cabriolet.

Body.

80 ft. Ash,	
73 ft. Poplar,	
2 ft. Cherry,	
186 Screws, Assorted Sizes,	
4½ lbs. Glue,	
3 yds. Scrims,	
Nails and Chair Tacks,	
1 Spring Catch, Child's Seat,	
Caning Seat, Child's Seat,	
4 sheets Sandpaper,	
Files,	
59 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
3 hrs. Drilling Rocker Plates,	
2½ lbs. White Lead,	
2 hrs. Carving Scrolls,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
“ Boxing,	
1 set Rim Bands,	
15 hrs. Labor Putting on Rim Bands and cleaning off	

Carriage Part.

1 Pole,	
1 pr. Shafts,	
4 ft. 3 in. Hickory,	
3 ft. Ash,	
Sandpaper and Files,	
Marking and Sawing Stuff,	
Labor,	
23 hrs. Labor, Pole, Shafts, Blocks and Back Bar,	
12 “ “ Fitting “ “ “	
5 “ “ Cleaning off,	

Smith Work.

1 set Axles,	
1 set Springs,	
84 lbs. Steel Tire,	
185 lbs. Iron, Body and Carriage Part,	
114 Screws, Assorted Sizes,	
86 Bolts,	
52 Tire Bolts,	

22 Rivets,	
60 Iron Washers,	
1 pr. Shackle Finishers,	
1 pr. Stump Joints,	
800 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage, Shafts, and Hang-	
ing up,	
“ Filing and Putting together,	

Painting.

Body Materials,	\$4.39
Carriage “	4.90—\$9.29
Labor, Body,	
“ Carriage,	
“ Monogram,	

Trimming.

6 Goat Skins,	
4¼ yds. Head Lining Cloth,	
3 yds. Broad Lace,	
25 yds. Seaming Lace,	
20 yds. Pasting Lace,	
1 Trigger,	
56 Tufts,	
6 Gimp Nails,	
4 yds. Russia Sheeting,	
2 yds. Buckram,	
2¾ yds. Wilton Carpet,	
1 yd. Oil Carpet,	
10 lbs. Best White Hair,	
½ lb. Cotton Wadding,	
½ lb. Seaming Cord,	
¼ lb. Tufting Twine,	
6 Pillow Springs,	
2 balls Ball Thread,	
4 skeins Thread,	
½ spool Machine Thread,	
2 spools “ Silk,	
14¾ yds. English Web,	
3 ¾-in. Covered Buckles,	
6 Apron Fasteners,	
4 yds. Muslin,	
1 Whip Socket and Prop,	
4 papers Tacks,	
5 lbs. Paste,	
12 Gum Button Holes,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
9 Curtain Fasteners, Back,	
75 ft. Enameled Top Leather,	
29 ft. Trimming Leather,	
5 ft. Railing Leather,	
4 ft. Flap Leather,	
40 ft. Dash Leather,	
3½ ft. Skirting Leather,	

2½ lbs. Harness Leather,	
¾ lb. Bridle Leather,	
1¼ lbs. Breeching Leather,	
¾ yd. Enamel Duck,	
1¼ yds. Dickey Seat Cloth,	
3 yds. Gum Drill, Seat Jacket,	
1¾ yds. Cloth, Lining Apron,	
3 Bows,	
8 ¾-in Round Head Screws,	
2 Top Props,	
2 Apron Hooks,	
Harness and Beeswax,	
Labor,	
78 hrs. Labor Stitching Dash, Seat, Fenders, Steps, Nuts and Washers, Poppets and Cover- ing Pole,	
12 hrs. Labor Making Pole Straps,	
8 " " " Seat Jacket,	
10 " " " Apron,	
7 " " " Loops and Covering Shafts,	
31 " " Setting Bows, Making Dickey Seats, 1 long and 1 short, and Blocking up for Trimmers,	
20 ft. Poplar,	
63 Screws,	
4 hrs. Labor putting on Molding on Front Bow, Back Quarters and Dickey Seat,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Shaft Tips,	
1 pr. Shaft Stop Bolts,	
2 pr. Finishers, Moldings,	
11 ft. 6 in Silver Molding,	
13 ft. 2 in. Brass Molding,	
Electro-plated Pins for Molding,	
Plating Axle Nuts,	
Engraving "	
Oil,	
Washer Leather,	
8 Bolts,	
18 Screws,	
20 hrs. Labor,	

Contingent expenses, per cent.,

No. 10.

Four Seat Two Spring

Extension Top Phaeton.

Body.

18 ft. Ash,	
32 ft. Poplar,	
7½ ft. Cherry,	
1½ ft. Pine,	
225 Screws, Assorted Sizes,	
3 lbs. Glue,	
1 yd. Scrims,	
Nails and Chair Tacks,	
1 pr. Door Hinges,	
1 pr. Door Hinges, Bottom,	
1 pr. Spring Locks,	
1 pr. Dove Tails,	
3 sheets Sandpaper,	
Files,	
46 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
2 hrs. Drilling Rocker Plates,	
2 lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

56 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
1 set Rims,	
10 hrs. Labor putting on Rim Bands and cleaning off,	

Carriage Part.

1 pr. Shafts,	
13½ ft. Hickory,	
Sandpaper and Files,	
Marking and Sawing Stuff,	
Labor,	
15 hrs. Labor, Shafts, Swingletree and Spring Bars,	
1 " " Fitting on Springs,	
5 " " Cleaning off,	

Smith Work.

1 set Axles,	
1 pr. Springs,	
47 lbs. Steel Tire,	
150 lbs. Iron, Body and Carriage Part,	
82 Screws, Assorted Sizes,	
76 Bolts, " "	

32 Tire Bolts,
20 Rivets,
34 Iron Washers,
3 pr. Stump Joints,
1 Whiffletree Plate,
4 Check-strap Loops,
400 lbs. Coal,
¾ lb. Borax,
Oil and Bits,
Files,
Labor Ironing Body, Carriage, and Hanging up,
 " Filing and putting together,

Painting.

Body Materials,	\$4 39
Carriage "	4.28—\$8.67
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

3½ yds. Body Cloth,
 7½ yds. Head Lining Cloth,
 20 yds. Seaming Lace,
 15 yds. Pasting Lace,
 56 Covered Buttons,
 3¼ yds. Russia Sheetting,
 2½ yds. Buckram,
 ½ yd. Felt,
 2¼ yds. Wilton Carpet,
 2 yds. Oil Carpet,
 6½ lbs. Best White Hair,
 6 lbs. Gray Hair,
 2 lbs. Cotton Wadding,
 ¾ lb Seaming Cord,
 ¼ lb. Tufting Twine,
 1½ balls Ball Thread,
 4 skeins Thread,
 ½ spool Machine Thread,
 1¾ spools " Silk
 8 yds. English Web,
 8 Covered Buckles,
 4 Dash Hooks and Rings,
 8 yds. Muslin,
 1 Whip Socket and Prop,
 4 papers Tacks,
 5 lbs. Paste,
 2½ yds. Enamel Duck,
 1¼ yds. Cambric,
 2 yds. Gum Drill,
 125 ft. Enamel Top Leather,
 8 ft. Bow Leather,
 12 ft. Dash Leather,
 3½ ft. Soft Dash Leather,
 1 ft. Railing Leather,
 ½ lb. Welt Leather,
 ½ lb. Bridle Leather,
 4 Bows,

Top Props,

1 Glass Frame, Curtain,

36 Japanned Knobs,

38 Japanned Buttons,

8 $\frac{3}{4}$ -in. No. 7 Round Head Screws,

Harness and Beeswax,

Labor,

19 hrs. Labor Stitching Dash, Seat, Handles, Pull-
to, and Top Nuts,

9 $\frac{1}{2}$ hrs. Labor Making Straps and Covering Shafts,

28 " " Setting Bows and Blocking up for
Trimmers,

12 ft. Poplar,

69 Screws,

Labor,

Mountings and Finishing.

1 pr. Lamps and Props,	. . . . .
1 pr. Door Handles,	. . . . .
1 pr. Swingletree Tips,	. . . . .
1 pr. Shaft Tips,	. . . . .
1 Name Plate,	. . . . .
1 Double Body Check-strap Loop,	. . . . .
2 Single “ “ “	. . . . .
Plating Axle Nuts,	. . . . .
Capping 8 Top Nuts,	. . . . .
Oil,	. . . . .
Washer Leather,	. . . . .
18 Bolts,	. . . . .
12 Screws,	. . . . .
20 hrs. Labor,	. . . . .

Contingent expenses, per cent.,

7 hrs. Labor Making Loops and Covering Shafts,	
35 " " " Driving Boxes, Lazy Backs, and	
Blocking up for Trimmers,	
27 ft. Poplar,	
26 Screws,	
1 hr. Labor putting Molding on Back Seat,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Shaft Tips,	
1 pr. Seat-end Finishers,	
1 pr. Shaft Stop Bolts,	
1 pr. Finishers, Molding,	
5 ft. Silver Molding,	
Plating Axle Nuts,	
Engraving "	
Oil,	
Washer Leather,	
7 Bolts,	
22 Screws,	
20 hrs. Labor,	

Contingent Expenses, per cent.,

No. 12.

T-Card Phaeton,

Double Stick Seats.

Body.

43 ft. Ash,	
53 ft. Poplar,	
2 Bent Seat Rails, Top,	
2 " " Middle,	
161 Screws,	
3½ lbs. Glue,	
1 yd. Scrims,	
Nails and Chair Tacks,	
1 Turn-over Seat Hinge,	
1 Seat Lock,	
1 pr. Brass Hinges, Seat Box,	
3 sheets Sandpaper,	
Files,	
20 lbs. Iron, Rocker Plates,	
Forging Rocker Plates,	
1 hr. Drilling Rocker Plates,	
1½ lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

44 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
1 set Rim Bands,	
15 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

1 Pole,	
1 pr. Shafts,	
8½ ft. Hickory,	
Sandpaper and Files,	
Marking and Sawing Stuff,	
Labor,	
23 hrs. Labor, Pole, Shafts, Blocks and Back Bar,	
12 " " Fitting " " "	
5 " " Cleaning off	

Smith Work.

1 set Axles,	
1 set Springs,	
84 lbs. Steel Tire,	
175 lbs. Iron, Body and Carriage Part,	

116 Screws, Assorted Sizes,	
64 Bolts, "	
52 Tire Bolts,	
57 Iron Washers,	
600 lbs. Coal,	
1 lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage and Hanging up,	
" Filing and putting together,	

Painting.

Body Materials,	\$5.12
Carriage "	4.90—\$10.02
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

3½ yds. Body Cloth,	
1½ yds. Russia Sheetting,	
2 yds. Wilton Carpet,	
1 yd. Oil Carpet,	
¼ yd. Linoleum,	
¼ yd. Kersey,	
5 lbs. Best White Hair,	
12 lbs. Gray Hair,	
1 lb. Seaming Cord,	
1½ balls Ball Thread,	
3 skeins Thread,	
½ spool Machine Thread,	
1 spool Machine Silk,	
2¾ yds. Webbing, Curtain Holders,	
4 ¾-in. Covered Buckles,	
2 ¾-in. "	
2 Apron Fasteners,	
6 yds. Muslin,	
1 Whip Socket and Prop,	
5 papers Tacks,	
3 lbs. Paste,	
4 Gum Button Holes,	
1½ yds. Enamel Duck,	
10 Pressed Loops,	
2 Pole Strap Buckles,	
34 ft. Trimming Leather,	
6½ ft. Railing Leather,	
21 ft. Dash Leather,	
2 ft. Flap Leather,	
2½ lbs. Harness Leather,	
¼ lb. Bridle Leather,	
1½ ft. Oil Binding Leather,	
1¼ lbs. Breeching Leather,	
¼ Skin, Calf Skin,	
1¾ yds. Cloth, Lining Apron,	
Harness and Beeswax,	
Labor,	
37 hrs. Labor Stitching Dash, Wings (2 pr.), and Poppets and Covering Pole,	

12 hrs. Labor Making Pole Straps,	
10 " " " Apron,	
7 " " " Loops and Covering Shafts,	
32 " " " Driving Boxes, Lazy Backs, and Blocking up for Trimmers,	
22 ft. Poplar,	
30 Screws,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 Pole Crab,	
1 pr. Shaft Tips,	
1 pr. Seat-end Finishers,	
1 pr. Shaft Stop Bolts,	
Plating Axle Nuts,	
Engraving Axle Nuts,	
Oil,	
Washer Leather,	
8 Bolts,	
12 Screws,	
21 hrs. Labor,	

Contingent Expenses, per cent.,

No. 13.

Stanhope Gig.

Body.

36 ft. Ash,	
22 ft. Poplar,	
2 ft. Hickory,	
18 Turned Sticks,	
3 " " Large, Medallion,	
80 Screws, Assorted Sizes,	
1½ lbs. Glue,	
¾ yd. Scrims,	
Nails and Chair Tacks,	
1 sheet Sandpaper,	
Files,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

24 Spokes,	
4 Rims,	
2 Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
2 Rim Bands,	
10 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

1 pr. Shafts,	
1 Bent Back Bar,	
4 Beaded Blocks,	
4 Rivets,	
2½ ft. Hickory,	
Sandpaper and Files,	
20 hrs. Labor, Making and Fitting Shafts,	
2 " " Fitting Spring Blocks,	
5 " " Cleaning off,	

Smith Work.

½ set Axles,	
1 set Springs, (2 side and 2 cross,)	
42 lbs. Steel Tire,	
155 lbs. Iron, Body and Carriage Part,	
57 Screws, Assorted Sizes,	
51 Bolts, " "	
32 Tire Bolts,	
2 Rivets,	
24 Iron Washers,	
400 lbs. Coal,	
½ lb. Borax,	
Oil and Bits,	
Files,	

Labor, Ironing Body, Carriage, and Hanging up,
" Filing and putting together,

Painting.

Body Materials,	\$3.30
Carriage "	4.45—\$7.75
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

1¾ yds. Body Cloth,	
¾ yd. Wilton Carpet,	
28 in. (sq.) Linoleum,	
½ yd. Felt,	
1 lb. Best White Hair,	
4 lbs. Gray Hair,	
¾ lb. Seaming Cord,	
1 ball Ball Thread,	
2½ skeins Thread,	
½ spool Machine Thread,	
¾ " " Silk,	
2 ¾-in. Covered Roller Buckles,	
2 Apron Fasteners,	
3 yds. Muslin,	
½ yd. Cambric,	
1 Whip Socket,	
4 papers Tacks,	
3 lbs. Paste,	
¾ yd. Enamel Muslin,	
44 ft. Trimming Leather,	
16 ft. Dash Leather,	
1 ft. Flap Leather,	
1½ lbs. Harness Leather,	
1 lb. Breeching Leather,	
¼ lb. Bridle Leather,	
½ lb. Tufting Twine,	
41 Tufts,	
16 Japanned Buttons,	
1¾ yds. Cloth, Lining Apron,	
4 ¾-in. Round Head Screws,	
Harness and Beeswax,	
Labor,	
22 hrs. Stitching Dash and Wings,	
3 " Making Brace and Strap,	
10 " " Apron,	
7 " " Loops and Covering Shafts,	
23 " " Driving Boxes, 1 long and 1 short,	
Curved Back and False Bottom,	
1 Curved Back,	
15 ft. Poplar,	
14 Screws,	
1 pr. Brass Hinges, Lid Top Box,	

Mountings and Finishing.

1 pr. Lamps and Props,	
1 pr. Shaft Tips,	

Nickel Plating Swinglehook,	
Engraving Axle Nuts,	
Plating "	
Oil,	
Washer Leather,	
8 Bolts,	
10 hrs. Labor,	

Contingent Expenses, . . . per cent.,

No. 14.

Stanhope Gig.

Close Top, Paneled Seat.

Body.

36 ft. Ash,	
31 ft. Poplar,	
2 ft. Cherry,	
18 Turned Sticks,	
3 " Medallion,	
80 Screws, Assorted Sizes,	
1½ lbs. Glue,	
1¼ yds. Scrims,	
Nails and Chair Tacks,	
1½ sheets Sandpaper,	
Files,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

24 Spokes,	
4 Rims,	
2 Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" Boxing,	
2 Rim Bands,	
10 hrs. Labor putting on Rim Bands and Cleaning off	

Carriage Part.

1 pr. Shafts,	
1 Bent Back Bar,	
4 Beaded Blocks,	
4 Rivets,	
2½ ft. Hickory,	
Sandpaper and Files,	
20 hrs. Labor Making and Fitting Shafts,	
2 " " Fitting Spring Blocks,	
5 " " Cleaning off,	

Smith Work.

½ set Axles,	
1 set Springs, 2 side and 2 cross,	
42 lbs. Steel Tire,	
165 lbs. Iron, Body and Carriage Part,	
2 Stump Joints,	
57 Screws, Assorted Sizes,	
51 Bolts, " "	
32 Tire Bolts,	
2 Rivets,	
24 Iron Washers,	
425 lbs. Coal,	
¼ lb. Borax,	

Oil and Bits,
Files,
Labor Ironing Body, Carriage and Hanging up,
 " Filing and putting together,

Painting.

Body Materials, \$3.85
Carriage " 4.45—\$8.30
Labor, Body,
 " Carriage,
 " Monogram,

Trimming.

2¼ yds. Body Cloth,
4¼ yds. Head Lining Cloth,
5 yds. Russia Sheetting,
¾ yd. Wilton Carpet,
¾ yd. Oil "
¾ yd. Enamel Duck,
1½ yds. Buckram,
5 yds. Muslin,
6 lbs. Best White Hair,
5 lbs. Gray Hair,
¾ lb. Seaming Cord,
1½ balls Ball Thread,
2¼ skeins Thread,
½ spool Machine Thread,
¾ " " Silk,
2 ¾-in. Covered Buckles,
2 Apron Fasteners,
14¾ yds. English Web,
1 Whip Socket,
6 papers Tacks,
3 lbs. Paste,
½ lb. Tufting Twine,
65 ft. Enamel Top Leather,
28 ft. Trimming Leather,
2 ft. Railing Leather,
8 ft. Flap Leather,
21 ft. Dash Leather,
5 ft. Bow Leather,
4 ft. Oil Binding Leather,
1½ lbs. Harness Leather,
1¼ lbs. Breeching Leather,
¼ lb. Bridle Leather,
41 Tufts,
16 Japanned Buttons,
1¾ yds. Cloth, Lining Apron,
½ set Top Props,
3 Bows,
4 ¾-in. No. 7 Round Head Screws,
Harness and Beeswax,
Labor,
22 hrs. Labor Stitching Dash and Wings,
3 " " Making Brace and Straps,
10 " " " Apron,
7 " " " Loops and Covering Shafts,
5 " " " Wrench Pocket, Leather,

31 hrs. Labor Setting Top, Blocking up for Trim-
mers, putting on Molding on Front
Bow, making Curved Back and
False Bottom,
1 Curved Back,
6 ft. Poplar,
60 Screws,

Mountings and Finishing.

1 pr. Lamps and Props,
1 pr. Shaft Tips,
Nickel Plating Swinglehook,
Plating Axle Nuts,
Engraving "
Oil,
Washer Leather,
8 Bolts,
15 hrs. Labor,

Contingent expenses . . . per cent.,

8 hrs. Labor Making Straps and Covering Shafts,	
12 hrs. " Setting Top and Blocking up for Trimmers,	
2 ft. Poplar,	
48 Screws,	

Mountings and Finishing.

1 pr. Swingletree Tips,	
1 pr. Shaft Tips,	
1 Name Plate,	
1 pr. Drip Screws,	
1 Double Body Check-strap Loop,	
2 Single " "	
Capping Top Nuts,	
Plating Axle Nuts,	
Oil,	
Washer Leather,	
16 Bolts,	
9 Screws,	
15 hrs. Labor,	

Contingent Expenses,....per cent.,

No. 16.

Surrey Top Wagon.

Body.

13 ft. Ash,	
9½ ft. Basket Walnut Wood,	
10 in. Cherry,	
20 ft. Poplar,	
22 Turned Sticks,	
4 " " (corners),	
145 Screws, Assorted Sizes,	
1½ lbs. Glue,	
Nails and Chair Tacks,	
2 sheets Sandpaper,	
Files,	
1 pr. Brass Hinges,	
1 Escutcheon with flush bolt and hinge covered,	
1 Lock and Keys,	
6 lbs. Rocker Plates, Steel,	
Forging Rocker Plates, and Plate for Deck,	
½ hr. Drilling Rocker Plates,	
1 lb. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

56 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor, Wheels,	
" Boxing,	
1 set Rim Bands,	
1 set Felloe Bolts,	
10 hrs. Labor Putting on Rim Bands and cleaning off	

Carriage Part.

1 pr. Shafts,	
7 ft. Hickory,	
Marking and Sawing Stuff,	
Sandpaper and Files,	
Labor,	
15 hrs. Labor, Shafts, Swingletrees and Spring Bars,	
1 hr. " Fitting on Springs,	
5 hrs. " Cleaning off,	

Smith Work.

1 set Axles,	
1 pr. Springs,	
18 lbs. Steel Tire,	
70 lbs. Iron, Body and Carriage Part,	
124 Screws, Assorted Sizes,	
79 Bolts, " "	

4 Rivets,	
34 Iron Washers,	
2 pr. Stump Joints,	
1 Whiffletree Plate,	
4 Check-strap Loops,	
350 lbs. Coal,	
¾ lb. Borax,	
Oil and Bits,	
Files,	
Labor Ironing Body, Carriage and Hanging up,	
“ Filing and Putting together,	

Painting.

Body Materials,	\$3.66
Carriage “	3.46—\$7.12
Labor, Body,	
“ Carriage,	
“ Monogram,	

Trimming.

1¾ yds. Body Cloth,	
4¾ yds. Head Lining Cloth,	
2¾ yds. Russia Sheet,	
1½ yds. Wilton Carpet,	
1¾ yds. Enamel Duck,	
2½ yds. Buckram,	
5½ yds. Muslin,	
2 yds. Gum Drill,	
5½ lbs. Best White Hair,	
2½ lbs. Gray Hair,	
1 lb. Cotton Wadding,	
7 yds. English Web,	
1½ balls Ball Thread,	
2½ skeins Thread,	
½ spool Machine Thread,	
¾ spool “ Silk,	
2 ¾-in. Covered Buckles,	
2 ¾-in. “	
10 ½-in. “	
1 Whip Socket and Fastener,	
3 papers Tacks,	
3 lbs. Paste,	
½ lb. Seaming Cord,	
½ lb. Tufting Twine,	
65 ft. Enameled Top Leather,	
1½ ft. Trimming Leather,	
7 ft. Railing Leather,	
10 ft. Dash Leather,	
7½ ft. Soft Dash Leather,	
¾ lbs. Harness Leather,	
½ lb. Bridle Leather,	
41 Tufts,	
16 Japanned Buttons,	
36 “ Knobs,	
1 pr. Metallic Top Stays,	
1 Glass Frame,	
1 set Top Props,	
3 Bows,	

4 ¾-in No. 7 Round Head Screws,	
Harness and Beeswax,	
Labor,	
14 hrs. Labor Stitching Dash, Handles, Nuts and Washers,	
8 hrs. Labor Making Straps and Covering Shafts,	
1 “ “ “ Wrench Pocket,	
14 “ “ Setting Top and Blocking up for Trimmers,	
1 ft. Ash,	
66 Screws,	

Mountings and Finishing.

1 pr. Swingletree Tips,	
1 pr. Shaft Tips,	
1 Name Plate,	
2 Body Check-strap Loops,	
Capping Top Nuts,	
Plating Axle Nuts,	
Oil,	
Washer Leather,	
18 Bolts,	
26 Screws,	
15 hrs. Labor,	

Contingent expenses, per cent.,

No. 17.

Double Surrey, No Top.

Body.

30 ft. Ash,	
11 ft. Basket Walnut Wood,	
9 in. Cherry,	
17 ft. Poplar,	
19 Turned Sticks,	
2 " " (corners),	
179 Screws, Assorted Sizes,	
1½ lbs. Glue,	
½ yd. Scrims,	
Nails and Chair Tacks,	
2 sheets Sandpaper,	
Files,	
1 pr. Deck Hinges, Seat,	
1 pr. Brass Dowels "	
14 lbs. Steel, Rocker Plates,	
Forging Rocker Plates,	
1 hr. Drilling Rocker Plates,	
1½ lbs. White Lead,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

56 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
" " Boxing,	
1 set Rim Bands,	
1 set Felloe Bolts,	
10 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

1 pr. Shafts,	
5½ ft. Hickory,	
4½ ft. Ash,	
Marking and Sawing Stuff,	
Sandpaper and Files,	
Labor,	
21 hrs. Labor, Shafts, Swingletree, Side and Cross-Bars,	
1 hr. " Fitting on Springs,	
5 " " Cleaning off,	

Smith Work.

1 set Axles,	
1 pr. Springs,	
31 lbs. Steel Tire,	
90 lbs. Iron, Body and Carriage Part,	

166 Screws, Assorted Sizes,	
77 Bolts, " "	
32 Tire Bolts,	
34 Iron Washers,	
2 pr. Stump Joints, Back,	
1 Whiffletree Plate,	
4 Check-strap Loops,	
375 lbs. Coal,	
¾ lb. Borax,	
Oil and Bits,	
Files,	
Labor, Ironing Body, Carriage, and Hanging up,	
" Filing and putting together,	

Painting.

Body Materials,	\$4.39
Carriage "	3.96—\$8.35
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

2½ yds. Body Cloth,	
3 yds. Enamel Duck,	
1½ yds. Wilton Carpet,	
½ yd. Felt,	
10 yds. Muslin,	
2½ yds. Gum Drill,	
2½ lbs. Best White Hair,	
2 lbs. Gray Hair,	
9 lbs. Black Hair,	
1 lb. Cotton Wadding,	
1 ball Ball Thread,	
2½ skeins Thread,	
½ spool Machine Thread,	
¾ " " Silk,	
2 ⅝-in. Japanned Buckles,	
1 Whip Socket and Fastener,	
4 papers Tacks,	
3 lbs. Paste,	
½ lb. Seaming Cord,	
½ lb. Tufting Twine,	
19 ft. Dash Leather,	
7 ft. Trimming Leather,	
2 ft. Railing Leather,	
3 ft. Valance Leather,	
¾ lbs. Harness Leather,	
½ lb. Bridle Leather,	
49 Tufts,	
49 Japanned Buttons,	
4 Cloth Nails,	
2 Japanned Knobs,	
4 ¾-in. No. 7 Round Head Screws,	
Harness and Beeswax,	
Labor,	
20 hrs. Stitching Dash, Wings and Handles,	
5 hrs. Labor Making Straps and Covering Shafts,	
4 " " " Lazy Backs,	

Oil and Bits,
Files,
Labor Ironing Body, Carriage, and Hanging up,
 " Filing and putting together,

Painting.

Body Materials, \$3.66
Carriage " 3.46—\$7.12
Labor, Body,
 " Carriage,
 " Monogram,

Trimming.

1¾ yds. Body Cloth,
4¼ yds. Head Lining Cloth,
2¾ yds. Russia Sheeting,
1½ yds. Wilton Carpet,
1¼ yds. Enamel Duck,
2½ yds. Buckram,
5½ yds. Muslin,
2 yds. Gum Drill,
4 lbs. Best White Hair,
2½ lbs. Gray Hair,
1 lb. Cotton Wadding,
7 yds. English Web,
1½ balls Ball Thread,
2½ skeins Thread,
½ spool Machine Thread,
¾ spool " Silk,
2 ¾-in. Covered Buckles,
2 ¾-in. " "
10 ½-in. " "
1 Whip Socket and Fastener,
3 papers Tacks,
3 lbs. Paste,
½ lb Seaming Cord,
¾ lb. Tufting Twine,
65 ft. Enamel Top Leather,
1½ ft. Trimming Leather,
7 ft. Railing Leather,
10 ft. Dash Leather,
7½ ft. Soft Dash Leather,
¾ lb. Harness Leather,
½ lb. Bridle Leather,
41 Tufts,
16 Japanned Buttons,
36 Japanned Knobs,
1 pr. Metallic Top Stays,
1 Glass Frame, Curtain,
1 set Top Props,
3 Bows,
4 ¾-in. No. 7 Round Head Screws,
Harness and Beeswax,
Labor,
14 hrs. Labor Stitching Dash, Handles, and Nuts
 and Washers,
8 hrs. " Making Straps and Covering Shafts,
1 hr. " " Wrench Pocket,

14 hrs. Labor Setting Top and Blocking up for
 Trimmers,
1 ft. Ash,
54 Screws,

Mountings and Finishing.

1 pr. Swingletree Tips,
1 pr. Shaft Tips,
1 Name Plate,
2 Check-strap Loops,
Capping Top Nuts,
Plating Axle Nuts,
Oil,
Washer Leather,
18 Bolts,
26 Screws,
15 hrs. Labor,

Contingent expenses, per cent.,

No. 19.

No-Top Wagon.

Body.

7½ ft. Ash,	
5½ ft. Cherry,	
26 ft. Poplar,	
116 Screws, Assorted Sizes,	
1 lb. Glue,	
Nails and Chair Tacks,	
1½ sheets Sandpaper,	
Files,	
2 pr. Corner Plates,	
1 pr. Brass Hinges, Seat Lid,	
Marking and Sawing Stuff,	
Draft and Patterns,	
Labor,	

Wheels.

56 Spokes,	
1 set Rims,	
1 set Hubs,	
Glue, Sandpaper and Files,	
Labor,	
“ Boxing,	
1 set Rim Bands,	
1 set Felloe Bolts,	
10 hrs. Labor putting on Rim Bands and cleaning off	

Carriage Part.

1 pr. Shafts,	
7 ft. Hickory,	
Marking and Sawing Stuff,	
Sandpaper and Files,	
Labor,	
15 hrs. Labor, Shafts, Swingletree and Spring Bars,	
1 “ “ Fitting on Springs,	
5 “ “ Cleaning off,	

Smith Work.

1 set Axles,	
1 pr. Springs,	
14 lbs. Steel Tire,	
55 lbs. Iron, Body and Carriage Part,	
126 Screws, Assorted Sizes,	
70 Bolts, Assorted Sizes,	
32 Tire Bolts,	
6 Rivets,	
34 Iron Washers,	
1 Whiffletree Plate,	
4 Check-strap Loops,	
300 lbs. Coal,	
¾ lb. Borax,	

Oil and Bits,	
Files,	
Labor Ironing Body, Carriage, and Hanging up,	
“ Filing and putting together,	

Painting.

Body Materials,	\$3.66
Carriage “	3.46—\$7.12
Labor, Body,	
“ Carriage,	
“ Monogram,	

Trimming.

1 yd. Body Cloth,	
1 yd. Enamel Duck,	
1½ yds. Wilton Carpet,	
1½ yds. Muslin,	
2 yds. Gum Drill,	
2 lbs. Best White Hair,	
3 lbs. Gray Hair,	
1 lb. Cotton Wadding,	
½ ball Ball Thread,	
1½ skeins Thread,	
½ spool Machine Thread,	
½ “ “ Silk,	
2 ¾-in. Covered Buckles,	
2 ¾-in. Japanned Buckles,	
1 Whip Socket and Fastener,	
1 paper Tacks,	
2 lbs. Paste,	
¼ lb. Seaming Cord,	
⅓ lb. Tufting Twine,	
12 ft. Dash Leather,	
1½ ft. Trimming Leather,	
1½ ft. Valance Leather,	
¾ lb. Harness Leather,	
½ lb. Bridle Leather,	
21 Tufts,	
21 Japanned Buttons,	
2 “ “ Knobs,	
4 ¾-in. No. 7 Round Edge Screws,	
Harness and Beeswax,	
Labor,	
11 hrs. Stitching Dash and Handles,	
8 hrs. Making Straps and Covering Shafts,	
1 hr. “ Wrench Pocket,	

Mountings and Finishing.

1 pr. Swingletree Tips,	
1 pr. Shaft Tips,	
1 Name Plate,	
2 Check-strap Loops,	
Plating Axle Nuts,	
Oil,	
Washer Leather,	
20 Bolts,	

9 Screws,
10 hrs. Labor,

Contingent Expenses, per cent.,

No. 20.

English Village Cart.

Body.

24 ft. Ash,
5 ft. Walnut Basket Wood,
33 ft. Poplar,
29 Turned Sticks,
83 Screws, Assorted Sizes,
1½ lbs. Glue,
Nails and Chair Tacks,
1 pr. Brass Hinges,
1 Spring Catch,
1 sheet Sandpaper,
Files,
Marking and Sawing Stuff,
Draft and Patterns,
Labor,

Wheels.

28 Spokes,
4 Rims,
2 Hubs,
Glue, Sandpaper and Files,
Labor,
 " Boxing,
2 Rim Bands,
10 hrs. Labor putting on Rim Bands and cleaning off

Carriage Part.

1 pr. Lancewood Shafts,
1 ft. Hickory,
Sandpaper and Files,
20 hrs. Labor, making and fitting Shafts,
5 " " Cleaning off

Smith Work.

¼ set Axles,
1 pr. Springs, Side,
½ pr. Springs, Back,
42 lbs. Steel Tire,
150 lbs. Iron, Body and Carriage Part,
76 Screws, Assorted Sizes,
51 Bolts,
32 Tire Bolts,
24 Iron Washers,
400 lbs. Coal,
¾ lb. Borax,
Oil and Bits,
Files,
Labor Ironing Body, Carriage and Hanging up,
 " Filing and putting together,

Painting.

Body Materials,	\$3.75
Carriage "	4.75—\$8.50
Labor, Body,	
" Carriage,	
" Monogram,	

Trimming.

2¾ yds. Body Cloth,	
1½ yds. Linoleum,	
1¼ yds. Oil Carpet,	
¾ yd. Kersey,	
3 lbs. White Hair,	
12 lbs. Gray Hair,	
¾ lbs. Seaming Cord,	
1 ball Ball Thread,	
3 skeins Thread,	
½ spool Machine Thread,	
¾ spool " Silk,	
4 ¾-in. covered Buckles,	
3 yds. Webbing, Cushion Holders,	
4 ¾-in. Round Head Silver Screws,	
3 yds. Muslin,	
1 Whip Socket and Fastener,	
3 papers Tacks,	
3 lbs Paste,	
1¾ yds. Enamel Duck,	
3¼ yds. Gum Drill, Apron,	
¼ lb. Tufting Twine,	
8 ft. Trimming Leather,	
20 ft. Dash Leather,	
6 ft. Valance Leather,	
5 ft. Russet Leather,	
4 ft. Bag Leather,	
1¼ lbs. Breeching Leather,	
¾ lb. Bridle Leather,	
40 Covered Buttons,	
40 Japanned Buttons,	
Harness and Beeswax,	
Labor,	
24 hrs. Labor Stitching Dash and Wings,	
7 " " Covering Shafts,	
3 " " Straps and Loops,	
5½ " " Gum Apron and Pocket,	
2½ " " Lazy Back,	
1½ ft. Ash,	
20 Screws,	

Mountings and Finishing.

1 pr. Lamps and Props,	
Nickel Plating,	
Engraving Axle Nuts,	
Plating Axle Nuts,	
1 pr. Chains,	
Oil,	
Washer Leather,	
8 Bolts,	

22 Screws,	
15 hrs. Labor,	

Contingent Expenses, per cent.

No. 21.

Pony Cart, One Seat.

Body.

12 ft. Ash,
18 ft. Maple,
4 ft. Mahogany,
9 ft. Poplar,
68 Screws, Assorted Sizes,
1 lb. Glue,
Nails,
Marking and Sawing Stuff,
Draft and Patterns,
Labor,

Wheels.

28 Spokes,
4 Rims,
2 Hubs,
Glue, Sandpaper and Files,
Labor,
 " Boxing,
2 Rim Bands,
10 hrs. Labor putting on Rim Bands and Cleaning off

Carriage Part.

1 pr. Shafts,
10 hrs. Labor Making and Fitting Shafts,
5 " " Cleaning off,

Smith Work.

½ set Axles,
1 pr. Springs, Side,
35 lbs. Steel Tire,
90 lbs. Iron, Body and Carriage Part,
102 Screws, Assorted Sizes,
69 Bolts,
32 Tire Bolts,
24 Iron Washers,
375 lbs. Coal,
¼ lb. Borax,
Oil and Bits,
Files,
Labor Ironing Body, Carriage and Hanging up,
 " Filing and putting together,

Painting.

Body Materials, \$5.25
Carriage " 4.45—\$9.70
Labor, Body,
 " Carriage,
 " Monogram,

Trimming.

1 ⅓ yds. Body Cloth,
1 ⅓ yds. Cocoa Matting,
¼ yd. Felt,
6 lbs. Gray Hair,
¼ lb. Seaming Cord,
¼ ball Ball Thread,
2 skeins Thread,
⅓ spool Machine Thread,
⅓ spool " Silk,
2 Japanned Knobs,
1 ½ yds. Webbing, Cushion Holder,
1 ⅓ yds. Muslin,
¾ yd. Enamel Duck,
½ lb. Cotton Wadding,
1 Whip Socket and Fastener,
1 paper Tacks,
2 lbs. Paste,
¾ yd. Gum Drill,
⅓ lb. Tufting Twine,
8 ft. Trimming Leather,
4 ft. Dash Leather, Shafts,
2 ft. Soft Dash Leather,
12 Tufts,
12 Japanned Buttons,
Harness and Beeswax,
Labor,
8 ½ hrs. Labor Covering Shafts and Making Wrench
 Pocket,

Mountings and Finishing.

1 pr. Lamps and Props,
42 Nickel Plated Bolts,
Engraving Axle Nuts,
Plating Axle Nuts,
Nickel Plating Dash Rail,
1 pr. Shaft Tips,
1 pr. Loops,
Oil,
Washer Leather,
6 Bolts,
38 Iron Washers,
8 Screws,
13 hrs. Labor,

Contingent Expenses, per cent.



Additions and Explanatory Notes.

<p style="text-align: center;"><i>Brougham.</i></p> <p>Stable Shutters,</p> <p style="text-align: center;">BODY.</p> <p>4 ft. Oak,</p> <p>3 ft. 1 in. Cherry,</p> <p>Marking and Sawing,</p> <p>Glue, Files and Sandpaper,</p> <p>26 Screws,</p> <p>Labor,</p> <p style="text-align: center;">PAINTING.</p> <p>Staining,</p> <p>Materials, \$1.20</p> <p>Labor,</p>	<p style="text-align: center;">HARD WOOD MOLDINGS.</p> <p style="text-align: center;"><i>Landau.</i></p> <p>3 strips. Doors, 2 ; Front, 1. Labor, 2 hrs.,</p> <p style="text-align: center;"><i>Landaulet.</i></p> <p>2 strips. Doors. Labor, 1 hr.,</p> <p style="text-align: center;"><i>Coach.</i></p> <p>9 strips. Doors, 8 ; Front, 1. Labor, 5 hrs.,</p> <p style="text-align: center;"><i>Coupl.</i></p> <p>8 strips. Doors. Labor, 4 hrs.,</p> <p style="text-align: center;"><i>Brougham.</i></p> <p>11 strips. Doors, 8 ; Pillars, 2 ; Front, 1. Labor, 5 hrs.,</p> <p style="text-align: center;"><i>6-seat Rockaway.</i></p> <p>2 strips. Doors. Labor, 1 hr.,</p> <p style="text-align: center;"><i>4-seat Rockaway.</i></p> <p>2 strips. Doors. Labor, 1 hr.,</p>
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The above Strips are Cherry, and painted black ; materials included under "Body," "Painting," and "Finishing" headings. The labor of making, as above, is not included, and must be added to each Carriage, as named. The extra cost of Hard Wood Moldings, not stained or painted, may be counted extra from the above.

The item "Black Cloth," under heading of "Trimming," is for Glass Frames ; and "Raw Duck," for Roof Cover. The average time for drawing on Roof Cover, close work, is 5 hours' labor, and must be added to each Carriage.

Broughams, Coupés and Landaulets.—1 pr. Shaft Stop Bolts should be added under heading "Finishing."

Vis-à-Vis.—Page 20, 2d column, 3d line from top, for "2½ ft. Skirting Leather," read "3½ ft. Skirting Leather."



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